

Drying board

LABOTRIX DRYBOARD C3

PRODUCT PASSPORT

Kyiv

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1. Basic product information

- 1.1. Product name — Drying board.
- 1.2. Trademark — Labotrix.
- 1.3. Model — Dryboard C3; full trade name — LABOTRIX DRYBOARD C3.
- 1.4. Manufacturer — Labotrix Group Limited, China.
- 1.5. Intended use: The drying board is designed for natural drying of washed laboratory glassware - test tubes, flasks, measuring cylinders, burettes, funnels, beakers and other vessels. The vessels are placed upside down on the pins, the water flows into the tray on its own, and the air circulates inside the vessels. The product is used in chemistry and biology rooms of secondary education institutions, in laboratory rooms for washing. Drying occurs at room temperature without heating and power supply, which makes this method the only acceptable method for measuring vessels.
- 1.6. Design features: The board is made as a wall panel with pins of different lengths: the pitch of the pins is designed for test tubes and burettes, and wider vessels - flasks, cylinders, funnels - are hung by gripping adjacent pins. A tray for collecting water is attached under the pins with a slope towards the drain hole (spout) so that the water does not stagnate. The back panel protects the wall from moisture, and the mounting lugs on the back of the base are used to mount the board on the wall above the office sink. The total number of seats is 32.

2. Technical specifications

- Brand — Labotrix
- Model — Dryboard C3
- The article is LTX-DRYBOARD-C3
- Product type — laboratory glassware drying board
- Number of seats (pieces) — 32
- Installation method - wall-mounted, with mounting lugs above the sink
- Presence of a heating element - no
- Power supply method - does not require power supply
- Base and pins material: plastic
- Pallet material - plastic
- Overall dimensions of the board, approximately (centimeters) — 40 × 50
- The pallet is non-removable, fixed under the retaining pins.
- Presence of a drain hole - yes
- Operating conditions — premises of an educational institution, air temperature from +5 to +40 °C, relative humidity from 40 to 60 % without condensate
- Storage conditions - not lower than +5 and not higher than +40 °C, relative humidity up to 60%
- Language of marking and operating documentation — Ukrainian
- Product marking — trademark, model and a space for the inventory number

- Packaging — individual box of corrugated cardboard with the contents secured
- Documentation supplied — product passport with warranty card and operating manual
- Care of the surfaces — wiping with a dry or slightly damp cloth is permitted
- Hygienic surface - smooth plastic does not retain moisture and is easy to clean
- Fastening stability - fastening eyes ensure reliable fixation of the board on the wall
- Service life (year) — 5
- Warranty period (month) — 12

3. Equipment

- Drying board with pins-holders — 1 pc.
- Water collection tray — 1 pc.
- Product Passport and Warranty Card — 1 pcs
- Individual transport packaging — 1 pcs

The wall mounting brackets are an integral part of the board base. Before first use, check the packaging for the completeness of the product.

4. Safety measures

4.1. General requirements

- Read this passport before first use.
- The product is installed and maintained by a teacher or lab technician; students use the board only under adult supervision.
- Be sure to inspect the unpacked product for mechanical damage: cracks in the case, chips, broken pins. A damaged product is not allowed to be used.
- During demonstration or work, make sure that there are no bystanders or obstacles near the board, as large dishes may fall.

4.2. Working with glassware

- Hold the container by the body with one hand, supporting it from below with the other - do not pull by the neck.
- Dishes with sharp chips, nicks, and cracks are prohibited from being placed on the board and used. Such dishes are discarded.
- Measuring vessels (volumetric flasks, cylinders, burettes, pipettes) should never be dried in drying cabinets - heating will cause them to lose accuracy and change their capacity. They should only be dried in the air on a board.
- It is forbidden to place hot dishes on the board just after heating or hot washing - the plastic will deform from contact with hot glass.
- Collect broken glass with a brush and scoop into a special container; do not touch it with your hands.

4.3. Rules for placing dishes

- Place the dishes on the pins without force — so that the pin fits in freely. Dishes that are forced into place may crack.
- Place heavy and large dishes only on the central pins, closer to the board attachment. Place only light dishes on the outer pins, otherwise the load on the attachment eyes will increase.
- Vessels should not touch or lean against each other, as glass touching can cause scratches and chips.
- Do not overload the board: one dish per peg. Do not place dishes in two tiers.

4.4. It is strictly forbidden

- Place dishes with residues of aggressive reagents, concentrated acids and alkalis on the board without prior rinsing.
- Use the board as a stand for alcohol burners, electric stoves, heating appliances, and heavy equipment.
- Carry the board with the dishes on it, remove the dishes from the pegs, while standing on a chair or stool.
- Drilling holes in the plastic base for mounting yourself will cause cracks to form around the hole.
- Do not use solvents, concentrated acids, alkalis, abrasive powders and stiff brushes to clean the product.

5. Preparation for work

- 5.1. Unpack the product, remove the packaging and protective film. We recommend that you save the packaging for future transportation.
- 5.2. Check the completeness according to section 3 of this passport and the external condition of the board - there should be no cracks, chips or broken elements on the base, pins and pallet.
- 5.3. Wash the board, pins and tray with warm water with neutral detergent and a soft sponge, rinse thoroughly with clean water and wipe dry. This will remove the technological grease and dust after production.
- 5.4. Select a wall mounting location - see section 6. The wall must be flat and strong enough to support the board.
- 5.5. Secure the board to the wall using the mounting lugs as described in section 6.
- 5.6. If the product was transported at temperatures below +5 °C, keep it at room temperature for at least one hour before first use - this prevents condensation on the surface.

6. Procedure

6.1. Preparing the site and placing the board

The wall mounting location should be near the sink, in an area free from reagents and heating devices. Make sure that the water from the tray drains directly into the sink. Determine the mounting height so that the top pins are within the lab technician's outstretched arm.

6.2. Washing dishes before drying

Dishes are washed immediately after use with a brush of the appropriate size and neutral detergent, rinsed thoroughly with running water several times, and then rinsed with distilled water - this removes tap water salts, which leave a white coating after drying. The clean surface is moistened evenly, the water drains off in a continuous film.

6.3. Placing dishes on the pegs

Hold the vessel over the board and place it on the pins with the neck down. Tall and narrow-necked vessels (measuring cylinders, burettes, flasks) are placed on the long central pins, low and wide vessels (glasses, funnels, Petri dishes) are placed on the short pins or between the pins. Hold heavy vessels with both hands and lower them smoothly, letting the pins carry the weight gradually. Place small vessels (glass rods, spatulas) in the gaps between the pins.

6.4. Adjusting drying conditions

Make sure the containers are not touching each other. Space the containers apart to allow air to circulate freely. Ventilate the room if necessary to speed up drying. Drying time depends on the shape of the container and the ambient conditions; narrow-necked containers take longer to dry.

6.5. Completion of work

Once the dishes are completely dry, lift them off the board with one hand by the body, supporting them from below, and place them in a storage cabinet. At the end of each session, empty the water from the tray into the sink and wipe the tray dry.

7. Care, maintenance and possible malfunctions

7.1. Cleaning

- At the end of the working day, wipe the pins and base with a damp, lint-free cloth to remove dust and reagent splashes.
- Once a month, wash the entire board with warm water and neutral detergent using a soft sponge. Pay particular attention to the bases of the pins and the corners of the tray, where sediment accumulates.
- Remove limescale from hard water with hot water with citric acid or table vinegar, then rinse thoroughly with clean water.

- Do not use abrasive powders, metal brushes, organic solvents, and concentrated acids - they destroy plastic.

7.2. Periodic control

- Check the pins for cracks, especially near the bases. Remove any loose or cracked pins from service.
- Keep the drain hole of the pan open - clean it if scale forms on it.
- Make sure the board is securely attached to the wall and does not wobble. Loose mounting can cause dishes to fall and water to stagnate in the tray.
- The product does not require maintenance, lubrication or calibration. Repairs of mechanical damage should only be carried out by an authorized service center.

7.3. Possible malfunctions and ways to eliminate them

Symptom	Possible cause	User actions
Dishes take a long time to dry	Vessels are tightly packed together; high humidity in the room; narrow vessel neck	Space out the seating, ventilate the room, and allow more time for narrow-necked dishes.
A white coating remains on the glass after drying	The final rinse was done with tap water, not distilled water.	Wash the dishes and rinse them with distilled water
Water stagnates in the pan	The board is fixed with an inclination in the opposite direction from the drain; the drain hole is clogged	Check the inclination of the board attachment, level it if necessary, clean the hole
The board wobbles, the dishes fall.	The end pins are overloaded with heavy dishes; the attachment to the wall has loosened.	Move heavy utensils closer to the center of the board, tighten the mounting lugs
The pin is broken or cracked.	Mechanical injury, impact, excessive force when placing dishes	Remove the damaged area from service, contact the supplier for a replacement product.
The plastic has become cloudy or cracked	Exposure to concentrated reagents, organic solvents, location near hot objects or under sunlight	Stop using the product and replace it; follow the requirements of Section 4

8. Storage and transportation conditions

- Store the board in a dry, ventilated room at a temperature not lower than +5 and not higher than +40 °C and a relative humidity of no more than 80% without condensation.
- Keep the product away from direct sunlight and heating devices - this will cause the plastic to turn yellow and become brittle.
- Store the board horizontally (on a table) or suspended; do not place heavy objects on it or lean on the pins to avoid damaging them.
- Before a long break in operation, wash the product, drain all water from the tray and dry it completely to prevent mold growth.
- Transport the product in rigid packaging by any type of closed transport, avoiding shocks and vibrations.
- The storage period before commissioning is unlimited if the stated conditions are observed.

9. Warranty obligations

- 9.1. The warranty period of the product is 12 months from the date of sale specified in the warranty card.
- 9.2. The manufacturer guarantees that the product complies with the declared technical characteristics, provided that the rules for transportation, storage and operation set out in this passport are followed.
- 9.3. During the warranty period, product defects that have arisen due to the manufacturer's fault will be eliminated free of charge. The method of elimination (repair, component replacement or product replacement) is determined by the service center.
- 9.4. Warranty service is provided upon receipt of a correctly and completely filled out warranty card and a document confirming the fact and date of purchase.
- 9.5. The warranty does not apply to cases where the malfunction is caused by:
 - mechanical damage, in particular cracks, chips and deformation of the housing and of the components of the product;
 - violation of the operating, storage or transportation rules set out in this passport;
 - ingress of liquid or foreign objects into the product, and also the action of insects and animals;
 - independent disassembly, repair or modification of the product, in particular repair at unauthorized workshops;
 - use of the product other than for its intended purpose;
 - force majeure circumstances (fire, flood, earthquake, etc.).
- 9.6. The warranty does not apply to natural wear and tear of the coating and appearance of the product, as well as to consumables.

10. Product disposal

- The product is not electrical or electronic equipment, therefore the marking in the form of a crossed-out container does not apply to it.
- After the end of the service life, the product is disposed of according to the rules established at the institution that operated it, with prior separation by materials.
- Hand over the packaging elements (cardboard, polymer materials) to the corresponding streams of recyclable materials.

Contacts

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Conditions of use and storage of the product

The product is intended for educational work in general secondary education institutions and is used only under the control and supervision of a teaching staff member; the recommended age of students — from 10 years, that is, students of grade 5 and of higher grades. Keep the product in a dry, clean and ventilated room at a temperature from +5 to +40 °C and relative air humidity up to 80 % without condensation, separately from heat sources and out of direct sunlight, moisture and dust. Use the product exclusively for its intended purpose and do not allow drops, impacts or other mechanical damage. If you notice damage, a crack or any malfunction, stop working with the product immediately and inform the teacher or the responsible person of the educational institution; repairing the product on your own is prohibited.

WARRANTY CARD

Product name:	Drying board
Product model:	LABOTRIX DRYBOARD C3
Serial number:	
Date of sale:	
Warranty period:	12 months from the date of sale
Trading organization:	
Signature of the seller:	

The goods have been received in working order, without visible damage, complete, and have been checked in my presence. I have no claims regarding the quality of the goods; I have read and agree to the operating and warranty service conditions.

Full name of the buyer

Buyer's phone number Buyer's signature

Dear Customer!

Thank you for choosing Labotrix products. After-sales service of this product is provided in accordance with the regulations of the company and the legislation of the country of sale. So that we can serve you quickly and without unnecessary formalities, check that this warranty card is filled in correctly at the moment of purchase and keep it together with the payment document throughout the entire warranty period. When applying for repair, hand the product over to the seller or to the service center together with the filled-in card.

Procedure for applying

1. The right to free warranty service for the product is valid for 12 months from the date of sale specified in the warranty card. Within this period, components that have failed due to a manufacturing defect are repaired or replaced without payment from the buyer.
2. Before contacting, make sure that the malfunction is not caused by the reasons listed in section 9 of this passport, and if possible, use the table of possible malfunctions in section 7.3.
3. After the 12-month warranty period, repairs are carried out for a fee; the cost of work and spare parts is determined depending on the nature of the malfunction.

Grounds for refusal of warranty service

The company reserves the right to refuse free service or to perform the work on a paid basis if at least one of the following circumstances is established:

- absence of the warranty card, its incomplete or corrected completion, and also the absence of a document confirming the purchase;
- non-conformity of the serial number of the product with the number specified in the card, or damage to the factory marking;
- traces of independent disassembly, repair or modification of the product;
- damage caused by violation of the operating rules, connection to an unsuitable power source or external mechanical impact;
- damage as a result of force majeure circumstances.

Service Records

Date of entry	Description of the malfunction	Work performed	Position, signature, full name of the responsible person